

AGENDA



8:30 – 9:15 AM: Welcome / Introductions / Overview

9:15 – 9:45 AM: Statewide Summary

9:45 – 10:15 AM: Regional Summary

10:15 – 11:30 AM: Safety Strategy Session

11:30 – 12:00 PM: Report Out and Next Steps

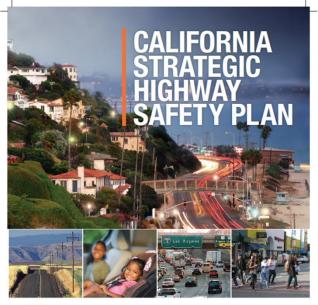
12:30 – 1:30 PM: Tribal Outreach Session

SHSP OVERVIEW

- Guides safety activities for all roadway users
- Addresses safety on all public roads
- All agency coordinated approach
- Strategic, data-driven process
- Federal requirement

Current SHSP covers 2015 to 2019







2015-2019

SHSP OVERVIEW

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- Current SHSP covers 2015 to 2019







2015-2019



Improve safety

Save lives Reduce preventable injuries

Improve livability

Support active transportation goals
Improve public health
Coordinate with congestion management efforts

Share local knowledge

Exchange best practices
Access information and data
Funding and partnering opportunities

SHSP VISION, MISSION & OBJECTIVE



Vision

Safe Public Roads Across California

Mission

Ensure safety for all modes of travel on California's public roads

Objective

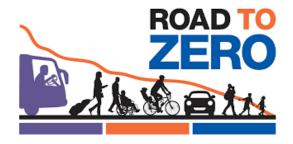
Zero Fatalities & Serious Injuries

MULTIPLE SAFETY APPROACHES







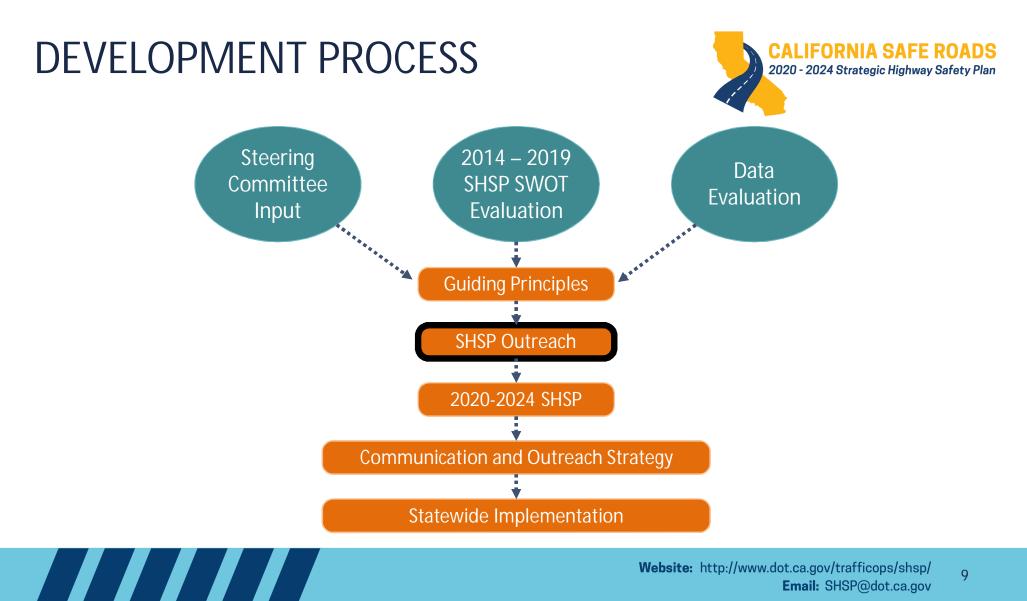


STATEWIDE COLLABORATION



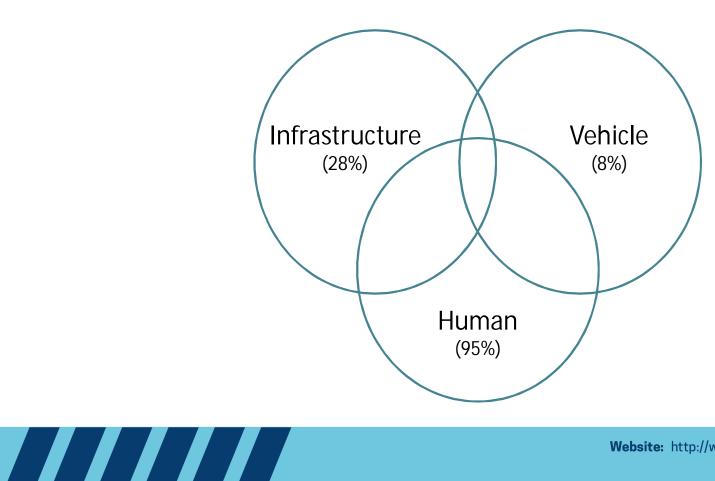
Working together to reduce fatalities and serious injuries on all public roadways.





COLLISION FACTORS





4 Es now 5 Es OF TRAFFIC SAFETY 2020 - 2024 Strategic Highway Safety Plan Engineering **Emergency Response** Equipment 5Es of Safety

Education

Enforcement

SHSP CONNECTIONS **CALIFORNIA SAFE ROADS** 2020 - 2024 Strategic Highway Safety Plan SHSP **Highway Safety** Commercial Vehicle Improvement Highway Safety Plan Safety Plan Program **OTS** CHP Caltrans State and Local Safety **Behavioral Safety Projects** Grants

CALTRANS HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)



- FAST Act
 - Continues the Highway Safety Improvement Program as a core Federal Aid program to significantly <u>reduce fatalities and serious injuries</u> on all public roads.
 - Local HSIP Program
 - Safety Improvement Projects (Benefit/Cost selected safety projects)
 - (New) Systemic Safety Analysis Report Program (SSARP)



OFFICE OF TRAFFIC SAFETY



- Liaison with the National Highway Traffic Safety Administration (NHTSA)
- California Highway Safety Plan
- Annual Performance Report
- Grant Programs



CALIFORNIA HIGHWAY PATROL



- Mission Provide the highest level of Safety, Service, and Security
- CHP involvement in the SHSP

- Executive Committee Commissioner Warren Stanley
- Steering Committee Assistant Chief
- Lead or Co-lead on 10 of the 15 Challenge Areas
- Active involvement on 13 of the 15 Challenge Areas
- Lead or Co-lead on 25 of the Actions
- Mileage Death Rate on the increase (2013: .94 to 2016: 1.08)
- Work with the Office of Traffic Safety to incorporate SHSP initiatives into the CHP Grants



CALIFORNIA HIGHWAY PATROL



- Current SHSP Actions the CHP is working on
 - Action 5.1 Update CHP DUI Checkpoint Educational Pamphlet with an emphasis on drugs
 - Action 6.1 Develop an issue paper establishing benefits of Standardized Field Sobriety Tests (SFSTs) training for law enforcement agencies
 - Action 6.2 Increase the number of Advanced Roadside Impaired Driving Enforcement (ARIDE) personnel trained by 8 percent
 - Action 4.1 Develop a media campaign....to raise awareness about speeding and aggressive driving
 - Action 2.2 Identify locations with reported pedestrian safety issues and conduct high visibility pedestrian safety enforcement operations

CALIFORNIA HIGHWAY PATROL



Commercial Vehicle Safety Plan

- Funded by the Motor Carrier Safety Assistance Program (MCSAP) Grant 2018-20
- Reduce commercial motor vehicle (CMV) involved collisions within CHP jurisdiction, including the Mileage Death Rate for CMVs
- 53 Commercial Vehicle Enforcement Facilities (38 locations)
- 144 Mobile Road Enforcement Officers
- CMV Fatal Crashes 302.6 per year (5 year average)
- MCSAP Activities: Driver and Vehicle Inspections, Enforcement,
 Compliance Reviews and Audits, Public Education, and Data Collection



FHWA



- SHSP is a requirement under SAFETEA-LU
- Statewide-coordinated safety plan led by State DOT that provides comprehensive framework for reducing fatalities and serious injuries on all public roads
- Identifies a State's key safety needs and guides investment decisions towards strategies and countermeasure with the most potential to save lives and prevent injuries
- SHSP shall be data driven, evaluate performance and updated
- SHSP Challenge Areas, Revisions and Stakeholders



CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

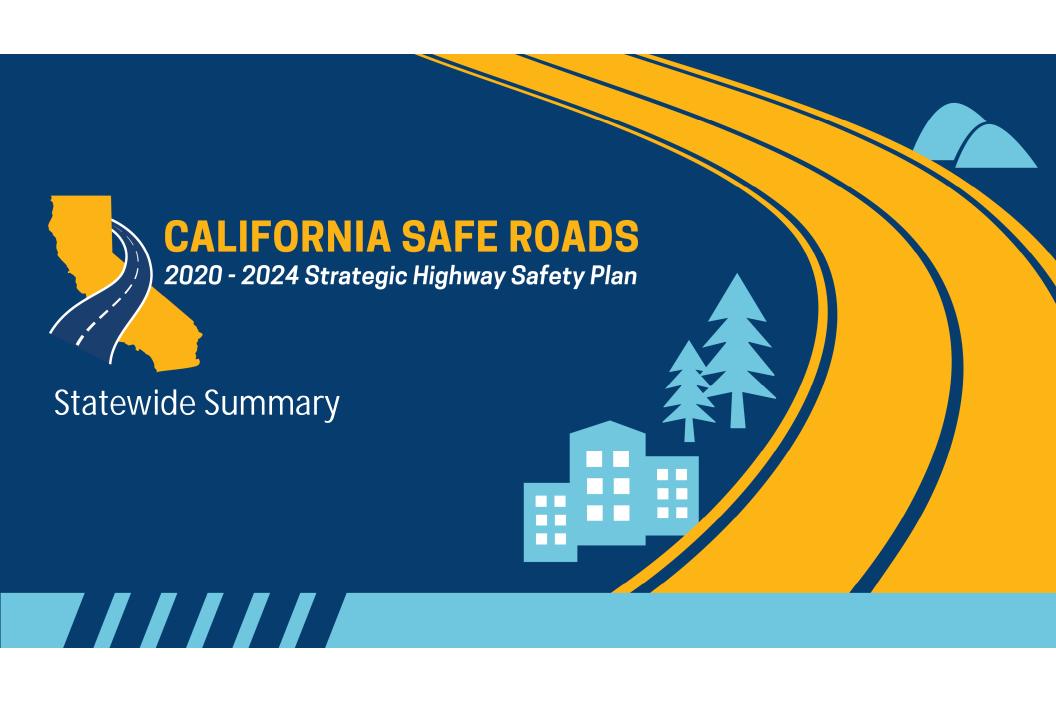


Website: http://www.dot.ca.gov/trafficops/shsp/ Email: SHSP@dot.ca.gov

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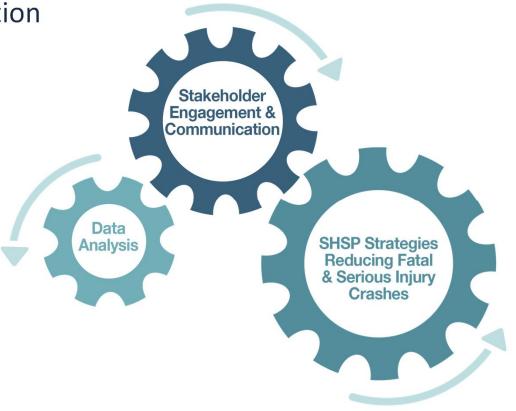


DATA-DRIVEN IMPLEMENTATION

CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

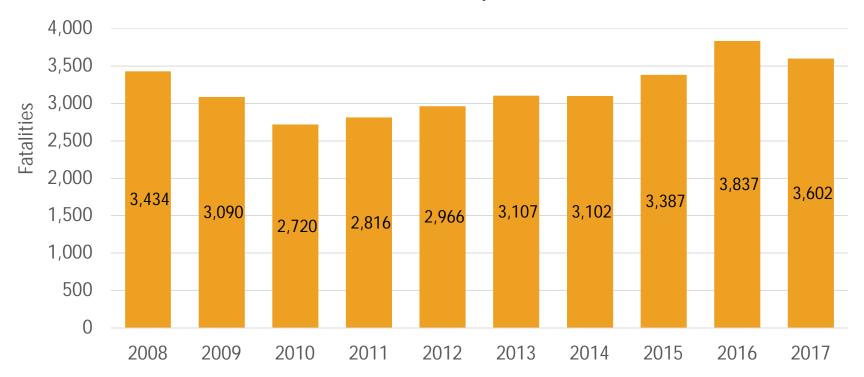
- Data analysis drives implementation
- 2020 to 2024 Data

- 10 years (2008 to 2017)
- 128,974 fatal and serious injury collisions
- 147,458 fatal and serious injuries
- 1.14 fatal and serious injuries / collision





Total Fatalities by Year



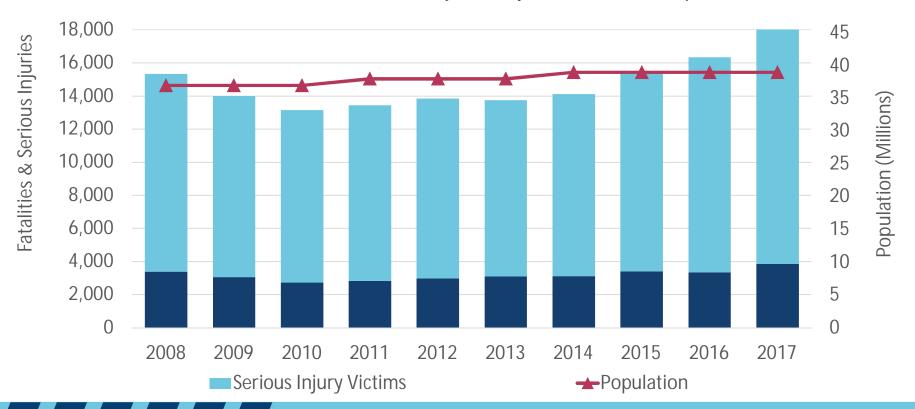


Total Fatalities and Serious Injuries by Year



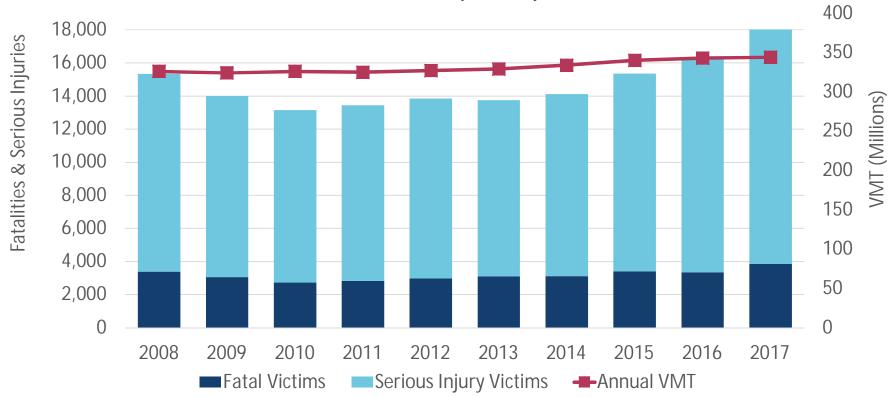


Total Fatalities and Serious Injuries by Year Versus Population





Total Fatalities and Serious Injuries by Year Versus VMT





Fatality & Serious Injury Rates

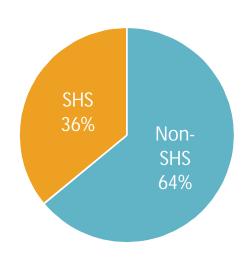


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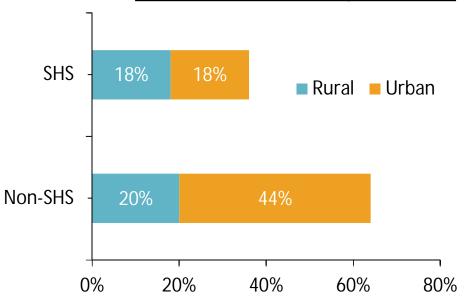
Fatal & Serious Injury Collisions



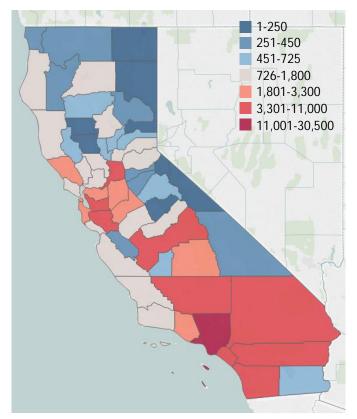
State Highway System (SHS) vs. Non-SHS



Percent of Victims by Location

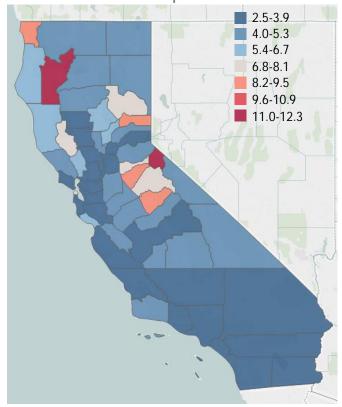


F+SI Collisions





F+SI Collision Rate per 100M VMT





OUTREACH EVENTS







LOS ANGELES REGION



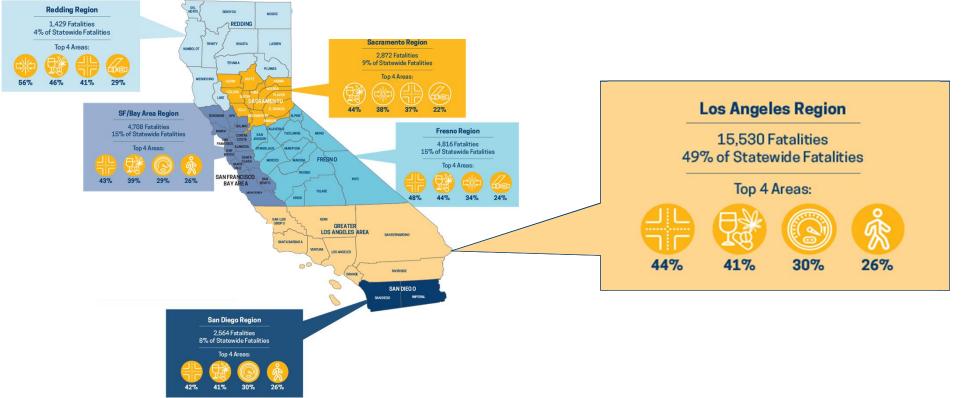


8 Counties

- Kern
- Los Angeles
- Orange
- Riverside
- SanBernardino

- San LouisObispo
- Santa Barbara
- Ventura

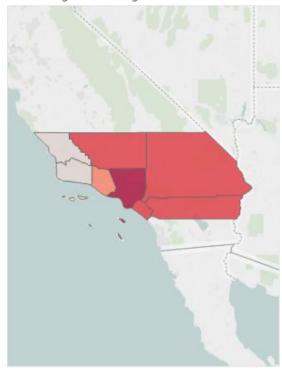




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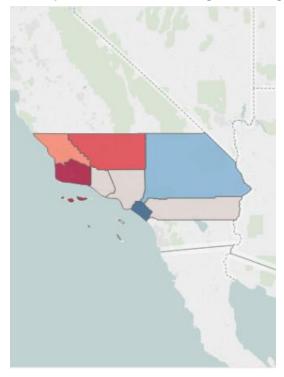
CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

F+SI by County

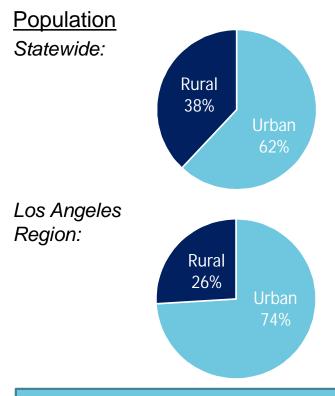


County	F+SI
San Louis	_
Obispo	1,225
Santa	
Barbara	1,680
Ventura	2,611
Kern	3,352
Riverside	7,597
San	
Bernardino	7,707
Orange	7,832
Los Angeles	30,382

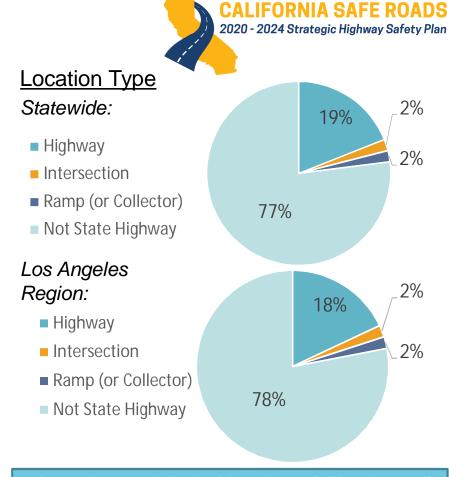
F+SI per 100M VMT by County



	F+SI per 100M
County	VMT
Orange	2.6
San	
Bernardino	3.2
Riverside	3.4
Ventura	3.5
Los Angeles	3.5
San Louis	
Obispo	3.8
Kern	3.9
Santa	
Barbara	4.3
	<u> </u>



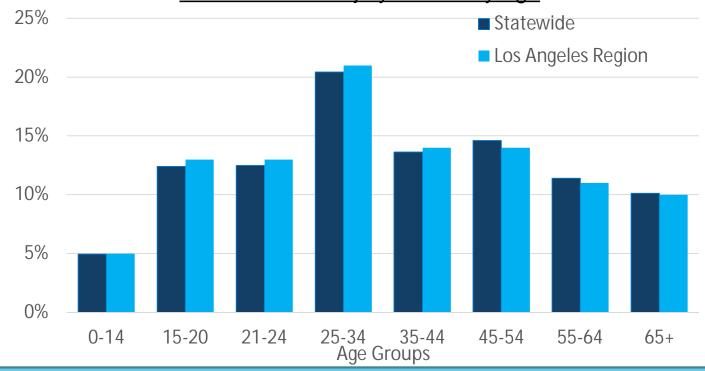
F+SI trends have more urban collisions in this region than California overall.



F+SI trends were similar in this region to California overall

CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

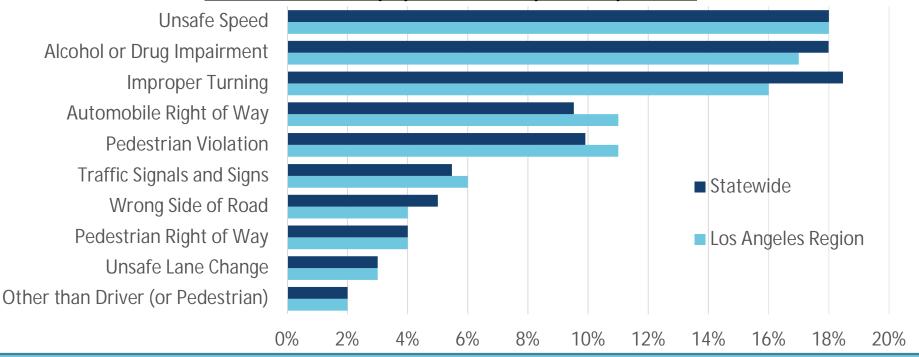
Fatal & Serious Injury Victims by Age



F+SI collisions involved more people aged 15-44 in this region than California overall.

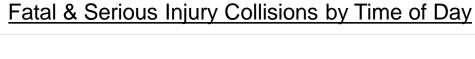


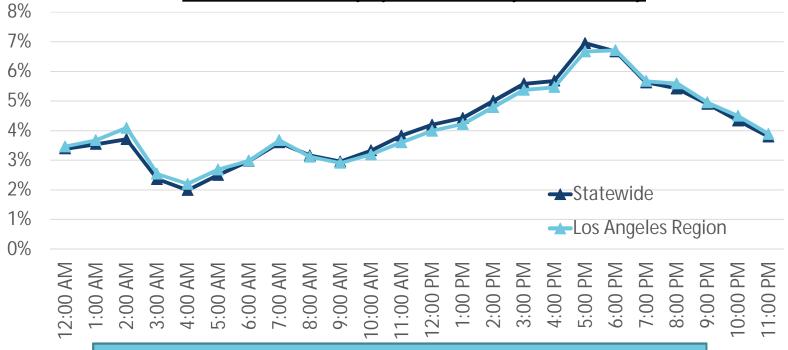




The top 10 primary causes of collisions in this region matches the top 10 primary causes of collisions statewide.

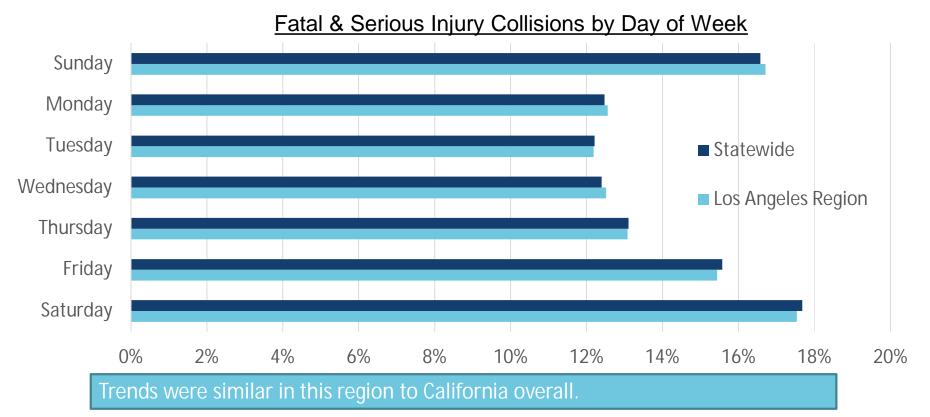






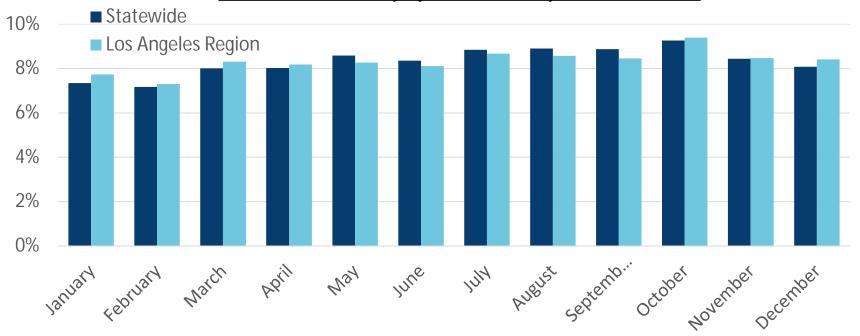
Regional collisions by time of day follows Statewide collision trend.







Fatal & Serious Injury Collisions by Month of Year



More collisions occurred in the winter months and less in summer months in this region than California overall

COLLISIONS OVERVIEW



Intersections & Interchanges Statewide: 43% Los Angeles Region: 44%



Roadway Departure Statewide: 26%

Los Angeles Region : 20% Lower



Commercial Vehicles Statewide: 10% Los Angeles Region: 10%



Alcohol and Drug Impairment Statewide: 42% Los Angeles Region: 41%



Occupant Protection Statewide: 19% Los Angeles Region 18%



Distracted Driving Statewide: 5% Los Angeles Region: 5%



Speeding and Aggressive Driving Statewide: 28%

Los Angeles Region: 30% Higher



Motorcycles Statewide: 14% Los Angeles Region: 15%



Statewide: 4%
Los Angeles Region: 4%



Pedestrians Statewide: 23%

Los Angeles Region : 26% Higher



Statewide: 13% Los Angeles Region: 14%



Driver Licensing and Competency

Statewide: 25%

Los Angeles Region: 25%

CALIFORNIA SAFE ROADS

Aging Drivers Statewide: 14% Los Angeles Region: 13%



Statewide: 2% Los Angeles Region: 2% Percent of total fatalities

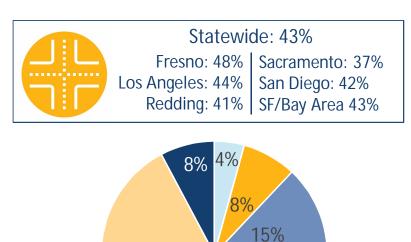
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INTERSECTIONS & INTERCHANGES

■ SF/Bay Area

■ San Diego





Sacramento

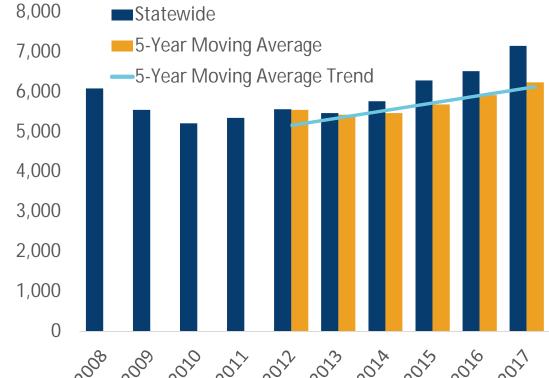
Los Angeles

16%

49%

Redding

Fresno



ALCOHOL & DRUG IMPAIRMENT

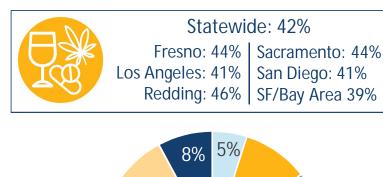
14%

16%

Sacramento

Los Angeles



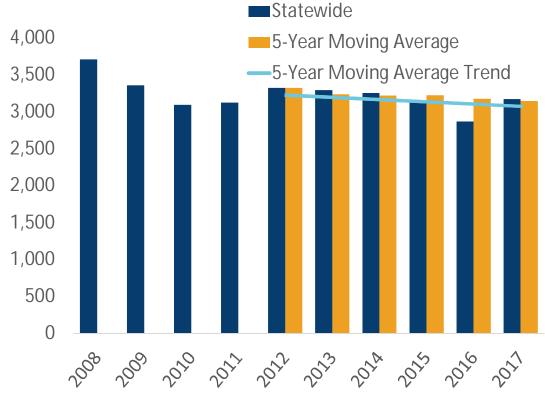


48%

Redding

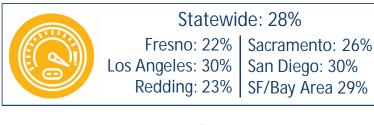
Fresno

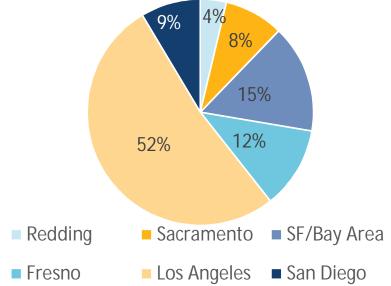


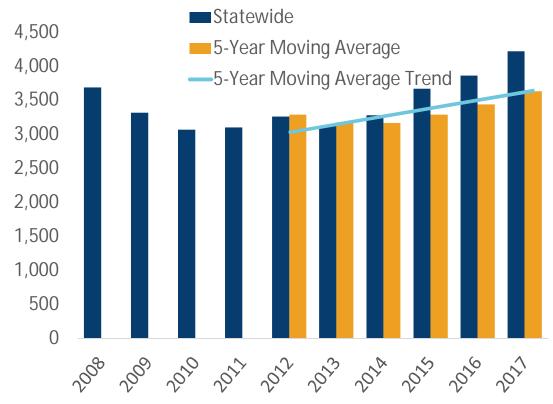


SPEEDING & AGGRESSIVE DRIVING



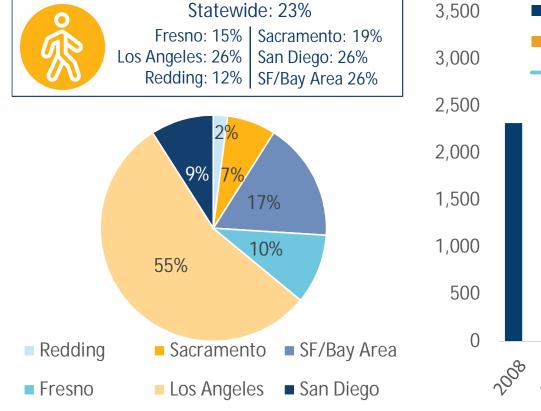


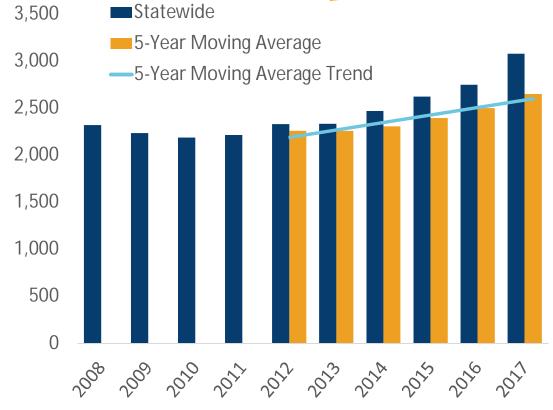




PEDESTRIANS







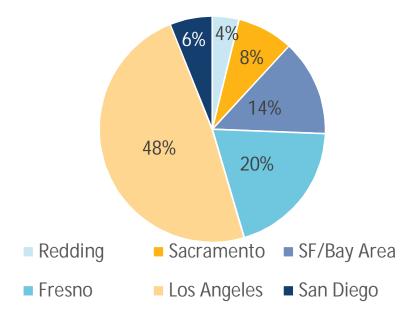
DRIVER LICENSING & COMPETENCY

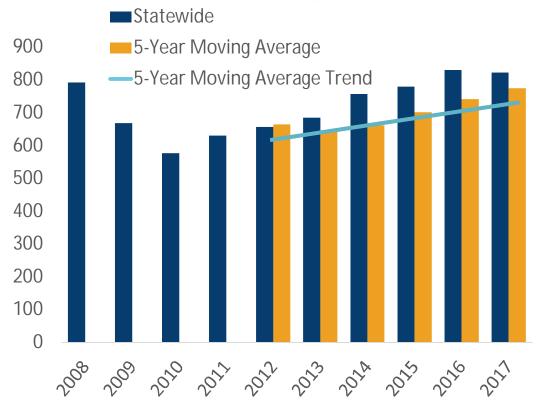




Statewide: 25%

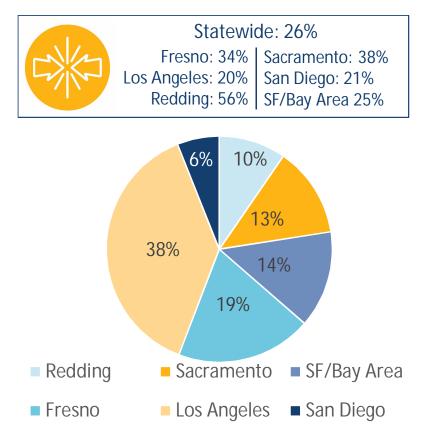
Fresno: 33% | Sacramento: 24% | San Diego: 19% | SF/Bay Area 24%

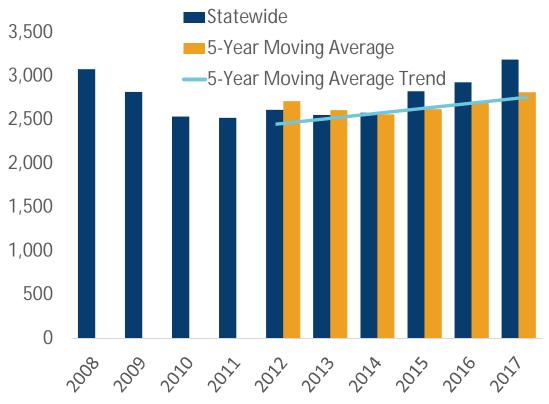




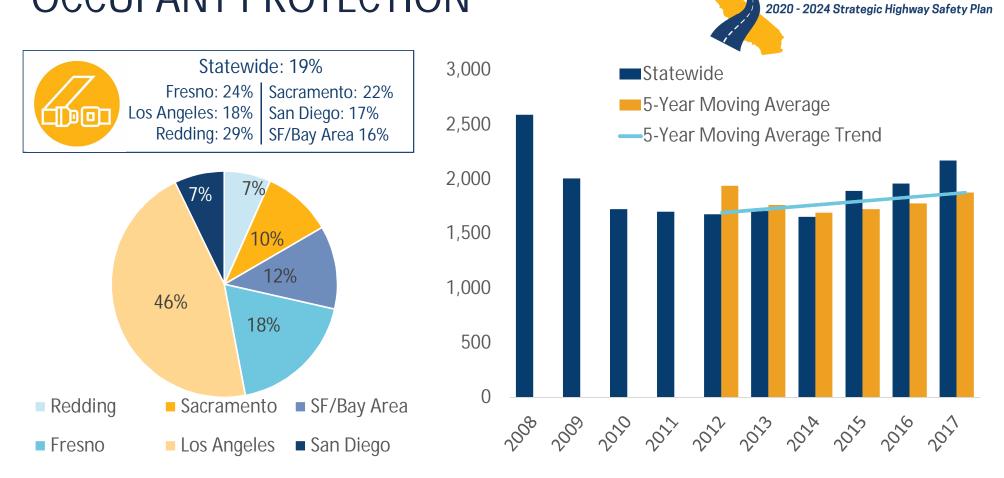
ROADWAY DEPARTURES





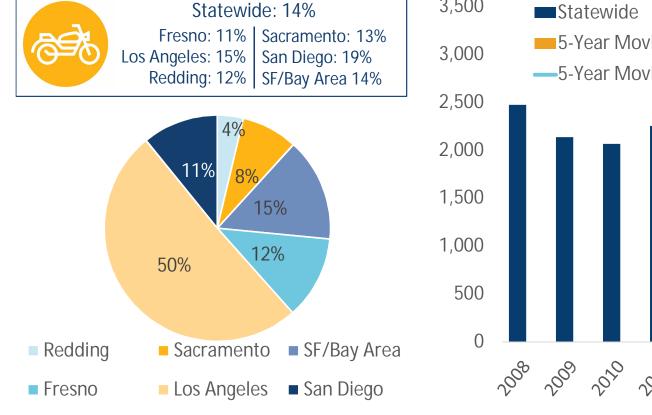


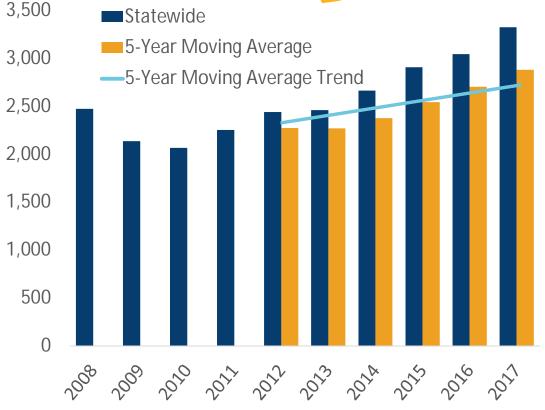
OCCUPANT PROTECTION



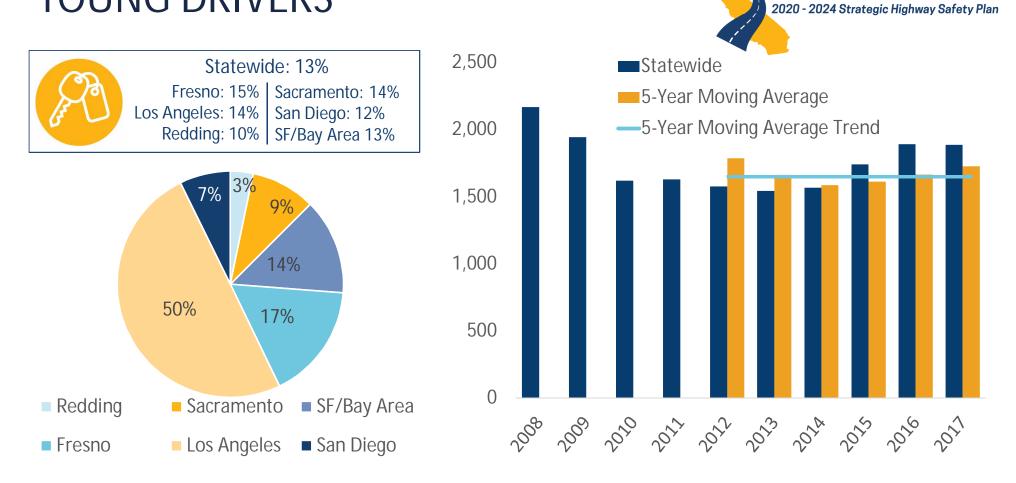
MOTORCYCLES





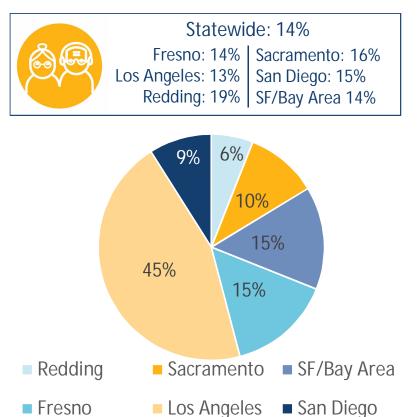


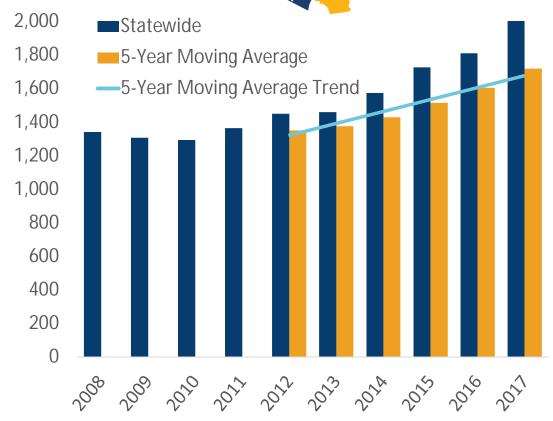
YOUNG DRIVERS



AGING DRIVERS

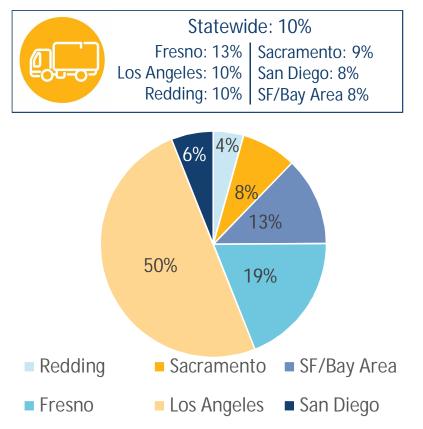


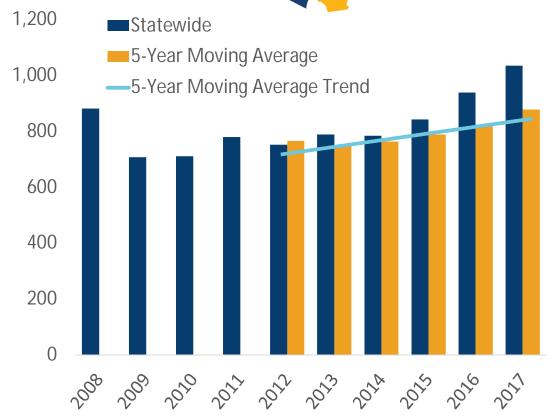




COMMERCIAL VEHICLES







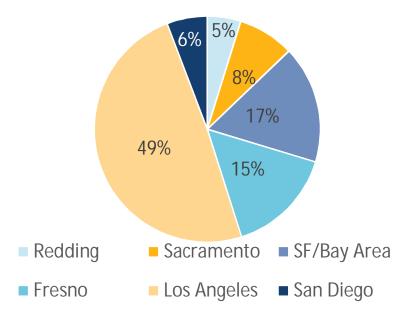
DISTRACTED DRIVING

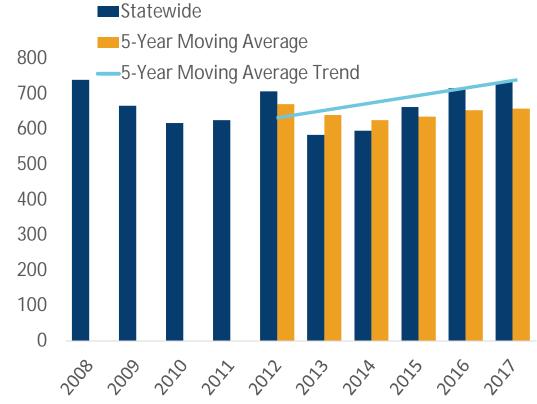




Statewide: 5%

Fresno: 5% | Sacramento: 4%
Los Angeles: 5% | San Diego: 3%
Redding: 5% | SF/Bay Area 5%





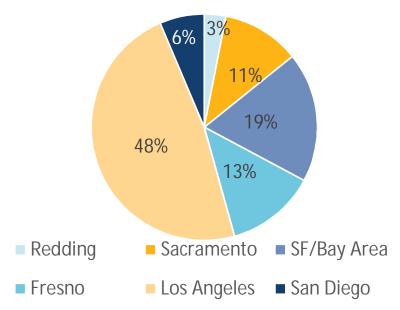
BICYCLING

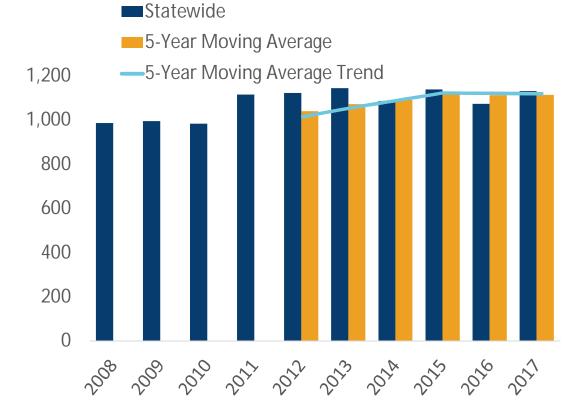




Statewide: 4%

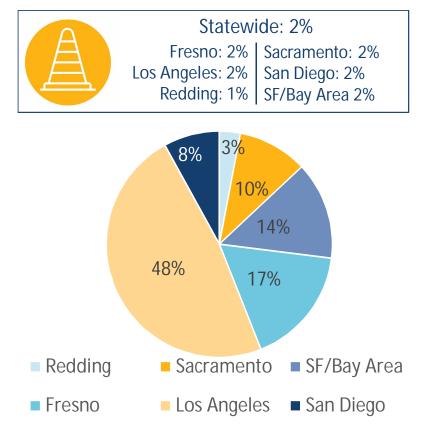
Fresno: 4% | Sacramento: 5%
Los Angeles: 4% | San Diego: 3%
Redding: 3% | SF/Bay Area 6%

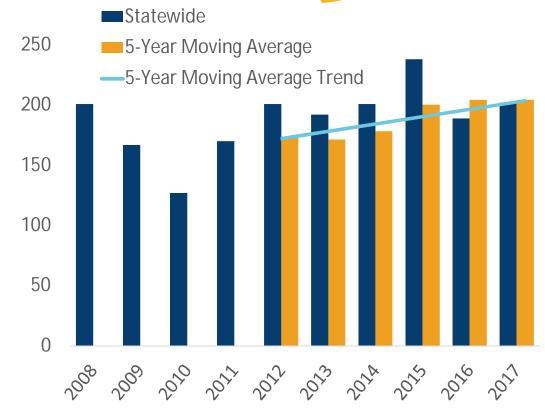




WORK ZONE









SAFETY STRATEGY SESSION



- Open House Format
- Discuss data and strategies with facilitators and attendees at 5 stations
- Fill out comment forms
 - What is the biggest safety issue in your community?
 - What specific data should drive the strategies?
 - What strategies/programs are most effective in your region?
 - What can be done to improve implementation?
 - What other ideas do you have?

SAFETY STRATEGY SESSION



- Handouts
 - Statewide Overview
 - Data specific to each sub category
 - Example strategies
 - Comment Forms

Safety Strategy Session



Stations

Overview

Collision Overview
Vision / Mission / Objective

Drivers & Passengers

- 1. Driver licensing
- 2. Aggressive driving
- 3. Driving under influence
- 4. Distracted driving
- 5. Occupant protection
- 6. Young drivers (<21)
- 7. Aging drivers (>65)
- 8. Commercial vehicle operations

Infrastructure

- 9. Intersections
- 10. Lane/Roadway departures
- 11. Work zones

Vulnerable Users

- 12. Pedestrians
- 13. Bicyclists
- 14. Motorcyclists

Vehicles

15. Equipment

Emergency Response

16. Emergency Response

Infrastructure-Related Collisions are inclusive of a variety of collision types, including pedestrians, bicyclists, motorcycles, roadway, and intersection collisions.



Median and Pedestrian Crossing Islands















Median Barriers



Leading Pedestrian Intervals





Tapered Edge















Road Diet





Multiple Low-Cost Measures at Stop-Controlled Intersections





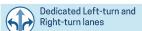






























 All offender alcohol ignition interlock law

Stronger graduated driver

- Screening of older drivers

Policy

- DWI courts

licensing laws

Training

Behavior-Related Collisions are inclusive of a variety of collision types, including aggressive driving, alcohol-involved, drug-involved, distracted, young driver, and aging driver collisions.

Education





 Alternative transportation programs



 Increased parental involvement programs



• Mandatory driver education for novice drivers



• Education campaigns for physicians and law enforcement about older driver screening



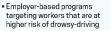
• Education campaigns targeted to low seat-belt users



School programs

Enforcement





Drug recognition expert

training for law enforcement

Responsible beverage service

Motorcycle rider training

Automated enforcement for

speed and red light running.

Technology















Saturation patrols

· High visibility enforcement



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement











Median and Pedestrian Crossing Islands

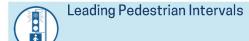




















Road Diet

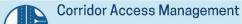






Crosswalk Enhancements

























Longitudinal Rumbe Stripes





Median Barriers





Tapered Edge





Reduce Left-Turn Conflict Intersections





Multiple Low-Cost Measures at Stop-Controlled Intersections









Dedicated Left-turn and Right-turn lanes





Roundabouts





Yellow Change Intervals





Policy

• All offender alcohol ignition interlock law



DWI courts



•Stronger graduated driver licensing laws





Screening of older drivers





Training

- Employer-based programs targeting workers that are at higher risk of drowsy-driving
- Drug recognition expert training for law enforcement
- •Responsible beverage service training
- Motorcycle rider training



Technology

- Automated enforcement for speed and red light running.



CALIFORNIA SAFE ROADS

2020 - 2024 Strategic Highway Safety Plan

Education

Education campaigns about increased enforcement



Alternative transportation programs



Increased parental involvement programs



 Mandatory driver education for novice drivers



 Education campaigns for physicians and law enforcement about older driver screening



 Education campaigns targeted to low seat-belt users



School programs



Enforcement



• High visibility enforcement



Publicized sobriety checkpoints



Saturation patrols



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement







